- 1. A binding protein specific for a junctional epitope created by a transient protein:protein interaction, which binding protein stabilises the protein:protein interaction.
 - 2. The binding protein of claim 1, which:
 - (a) has no detectable binding to each individual component of the protein:protein interaction in the absence of the other; and/or
 - (b) has a dissociation constant (K_D) for binding to the protein:protein interaction that is at least 10 fold lower than the K_D for binding to each individual protein component of the protein:protein interaction.
- 3. The binding protein of claim 1 or 2, wherein between 20% and 80% of the epitope is present on one of the proteins of the protein:protein interaction, with the remainder of the epitope present on the other protein.
- **4**. The binding protein of claim **1**, **2** or **3**, wherein the two proteins of the transient protein:protein interaction have a dissociation rate (k_{off}) in the absence of the binding protein of greater than $0.01 \, \mathrm{s}^{-1}$, optionally greater than $0.025 \, \mathrm{s}^{-1}$.
- 5. The binding protein of any one of the preceding claims, wherein in the presence of the binding protein the two components of the transient protein:protein interaction have a dissociation rate (k_{off}) of less than 0.01 s^{-1} , optionally less than 0.001 s^{-1} or less than 0.0005 s^{-1} .
- **6**. The binding protein of claim **4** or **5**, wherein the k_{off} is measured by surface plasmon resonance at 25° C.
- 7. The binding protein of any one of the preceding claims, wherein the dissociation rate (k_{off}) for the transient protein: protein interaction is reduced at least 10 fold, at least 50 fold or at least 100 fold in the presence of the binding protein.
- 8. The binding protein of any one of the preceding claims, wherein the dissociation constant (K_D) for the protein: protein interaction is reduced at least 10 fold, at least 50 fold or at least 100 fold in the presence of the binding protein.
- 9. The binding protein of any of the preceding claims, wherein the protein:protein interaction is the IL-6/gp80 interaction
- 10. The binding protein of any one of the preceding claims, which is an antibody or fragment thereof.
- 11. The binding protein of claim 10, wherein the heavy chain variable region (V_H) of the antibody or fragment thereof has interactions with both proteins of the protein: protein interaction, the light chain variable region (V_L) has interactions with both proteins of the protein:protein interaction, or both the V_H and V_L have interactions with both proteins of the protein:protein interaction.
- 12. The binding protein of claim 10 or 11, wherein one or more individual complementarity determining regions (CDRs) of the V_H and/or V_L interact with both components of the protein:protein interaction.
- 13. The binding protein of any one of the preceding claim 10, 11 or 12, which is a Fab, scFv or VHH.
- 14. The binding protein of any one of claims 10-13, wherein the protein:protein interaction is the IL-6/gp80 interaction and wherein the antibody or fragment thereof comprises at least one heavy chain complementarity determining region (HCDR) sequence selected from SEQ ID NOs: 2-4.
- **15**. The binding protein of claim **14**, wherein the antibody or fragment thereof comprises a HCDR3 of SEQ ID NO: 4.
- **16**. The binding protein of claim **15**, which additionally comprises a HCDR1 of SEQ ID NO: 2 and a HCDR2: of SEQ ID NO: 3.

- 17. The binding protein of any one of claims 10-13, wherein the protein:protein interaction is the IL-6/gp80 interaction and wherein the antibody or fragment thereof comprises HCDR1, HCDR2 and HCDR3 sequences contained within a heavy chain variable region (V_H) of SEQ ID NO: 1.
- 18. The binding protein of any one of claims 10-17, wherein the antibody or fragment thereof comprises a $\rm V_H$ sequence of SEQ ID NO: 1, or a sequence at least 90% identical thereto.
- 19. The binding protein of claim 18, wherein the HCDR1, HCDR2 and HCDR3 sequences consist of SEQ ID NOs: 2, 3 and 4 respectively, and wherein the remainder of the ${\rm V}_H$ has at least 90% identity to SEQ ID NO: 1.
- 20. The binding protein of any one of claims 10-13, wherein the binding protein is an antibody or fragment thereof which binds to the same epitope on IL-6/gp80 as, or competes for binding with, an antibody or fragment thereof as defined in any one of claims 14-19.
- 21. An isolated polynucleotide encoding one or both chains of an antibody or fragment thereof as defined in any one of claims 10-20.
- 22. The isolated polynucleotide of claim 21, which encodes a V_H of SEQ ID NO: 1 and has a sequence of SEQ ID NO: 5.
- 23. A vector comprising the polynucleotide of claim 21 or 22.
 - 24. A host cell comprising the vector of claim 23.
- 25. A method of producing an antibody or fragment thereof as defined in any one of claims 10-20, said method comprising culturing the host cell as defined in claim 24 in a medium to produce the antibody according to any one of claims 10-20 and collecting the antibody or fragment thereof from the culture.
- 26. A pharmaceutical composition comprising the binding protein of any one of claims 1-20 and a pharmaceutically acceptable carrier or diluent.
- 27. Use of a binding protein as defined in any one of claims 1-20 in delivering cargo to a target cell.
- **28**. The use of claim **27**, wherein the cargo is a diagnostic or therapeutic agent.
- 29. A method of delivering cargo to a target cell, comprising:
 - (1) administering two targeting molecules, wherein:
 - the first targeting molecule comprises a first targeting portion which binds specifically to a first target molecule on the target cell and wherein the targeting portion is linked to the first protein component of a transient protein:protein interaction; and
 - the second targeting molecule comprises a second targeting portion which binds specifically to a second target molecule on the target cell and wherein the targeting portion is linked to the second protein component of the transient protein:protein interaction;
 - (2) administering a binding protein specific for a junctional epitope created by the transient protein:protein interaction, which binding protein is linked to the cargo and wherein the binding protein is as defined in any one of claims 1-20 above.
- **30**. The method of claim **29**, wherein the cargo is a diagnostic or therapeutic agent.
- 31. The method of claim 29 or 30, wherein the target cell is a cancer cell.